ALTON GEOSCIENCE
THE RESULTS TEAM

January 29, 1996

Mr. Scott Seery
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502-6577

Alton Project 41-0063-25

RE: FORMER MOBIL STATION 04-FGN
14994 EAST 14th STREET
SAN LEANDRO, CALIFORNIA

Dear Mr. Seery:

Please find enclosed the Fourth Quarter 1995 Progress Report for the subject location prepared for Mobil Oil Corporation by Alton Geoscience. The contents of this report include:

Summary Sheet
Exhibit 1: Sampling Schedule
Exhibit 2: Groundwater Levels and Chemical Analysis Tables
Exhibit 3: Figures 1-3 (Vicinity Map, Groundwater Elevation Contour Map, Dissolved-Phase Benzene Concentrations)
Exhibit 4: Well Purging and Groundwater Sampling Protocol
Exhibit 5: Monitoring Well Sampling Forms
Exhibit 6: Analytical Laboratory Data Sheets
Exhibit 7: Manifests

If you have any questions regarding this report, please call Ms. Cherine Foutch, Mobil Engineer, at (510) 625-1173, or Mr. Deno Milano, Alton Geoscience Senior Geologist, at (510) 606-9150.

Sincerely,

ALTON GEOSCIENCE

Deno G. Milano, RG
Senior Geologist

cc: Ms. Cherine Foutch, Mobil Oil Corporation
Mr. Steven Ritchie, California Regional Water Quality Control Board, San Francisco Bay Region
Mr. Bertram Kubo
Mr. Fuk K. Sit and Ms. Ying C. Sit
Mr. Brady Nagle, Alisto Engineering Group

M:\...\04FGNR1.QMS

30A Lindbergh Avenue
Livermore, California 94550
(510) 606-9150 • FAX (510) 606-9260

ALTON GEOSCIENCE

Quarterly Progress Report
Fourth Quarter 1995

Summary Sheet

Mobil Service Station 04-FGN
14994 East 14th Street
San Leandro, California

Case # N/A
AQMD# N/A
NPDES# N/A

Number of water zones:	**1**	**This Page**	**1**
FIELD ACTIVITY:		**Date Sampled:**	**2-Nov-95**
Number of ground water wells on-site:	5	Ground Water Wells monitored:	7
Number of ground water wells off-site:	2	Ground Water Wells sampled:	7
Phase of Investigation: Vadose Zone:		Ground Water Wells with Free Product:	0
		Ground Water Phase:	Monitor & Sample

SITE HYDROGEOLOGY:

Approximate depth to ground water below ground surface:	11.2 feet
Approximate elevation of potentiometric surface above Mean Sea Level:	25.64 feet
Average Increase/Decrease in ground water elevations since last sampling episode:	1.6 foot Decrease
Approximate flow direction and hydraulic gradient:	South at 0.002 foot/foot

GROUND WATER CONTAMINATION (BENZENE MCL=1.0 ppb):

Wells containing free product:	0	Range in Thickness of Free Product:	N/A
Number of wells with concentrations below MCL:	3	Volume of Free Product Recovered This Period:	N/A
Number of wells with concentrations at or above MCL:	4	Volume of Free Product Recovered To Date:	N/A
		Range in Concentrations:	ND to 31 ppb benzene
Nature of contamination:	Gasoline		

ADDITIONAL INFORMATION:

Dissolved-phase hydrocarbon concentrations as diesel are less than C15.

Prepared by: _____ Russ Earle

Approved by: _____ Deno G. Milano, RG
California RG 6093

Alton Project No: 41-0063-25

Submittal Date: 29-Jan-96

EXHIBIT 1

SAMPLING SCHEDULE

MONITORING WELL SAMPLING SCHEDULE 1996
Former Mobil Station 04-FGN

Well Number	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
MW-1A	X	X	X	X
MW-2A	X	X	X	X
MW-3A	X	X	X	X
MW-4A	X	X	X	X
MW-5A	X	X	X	X
MW-6A	X	X	X	X
MW-7A	X	X	X	X

NOTES: X = well scheduled for sampling

EXHIBIT 2

GROUNDWATER LEVELS AND CHEMICAL ANALYSES

Groundwater Levels and Chemical Analysis

Former Mobil Station 04-FGN

Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	TRPO (ppm)
MOBIL wells											
MW-1A	11/2/95	36.63	11.05	25.58	12,000	3400*	ND	ND	190	150	ND
MW-2A	11/2/95	36.62	11.08	25.54	4,300	3000*	22	ND	10	11	ND
MW-3A	11/2/95	36.93	11.29	25.64	9,200	4400*	31	ND	360	72	ND
MW-4A	11/2/95	37.18	11.48	25.70	ND	ND	ND	ND	ND	ND	ND
MW-5A	11/2/95	35.91	10.34	25.57	180	ND	1.9	1.2	ND	ND	ND
MW-6A	11/2/95	37.10	11.26	25.84	ND	ND	ND	ND	ND	ND	ND
MW-7A	11/2/95	37.39	11.77	25.62	ND	ND	ND	ND	ND	ND	ND
UNOCAL wells											
MW-1	11/2/95	36.37	11.11	25.26	—	—	—	—	—	—	—
MW-2	11/2/95	36.34	10.95	25.39	—	—	—	—	—	—	—
MW-3	11/2/95	36.42	11.00	25.42	—	—	—	—	—	—	—
MW-4	11/2/95	37.04	11.67	25.37	—	—	—	—	—	—	—
MW-5	11/2/95	35.94	10.70	25.24	—	—	—	—	—	—	—
MW-6	11/2/95	35.67	10.20	25.47	—	—	—	—	—	—	—

Groundwater Levels and Chemical Analysis

Former Mobil Station 04-FGN

Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	TPH-G (ppb)	TPH-D (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	TRPO (ppm)
MW-7	11/2/95	36.09	10.55	25.54	—	—	—	—	—	—	—
MW-8	11/2/95	36.89	11.80	25.09	—	—	—	—	—	—	—
MW-9	11/2/95	36.29	11.16	25.13	—	—	—	—	—	—	—
MW-10	11/2/95	36.04	11.03	25.01	—	—	—	—	—	—	—
MW-11	11/2/95	35.50	10.85	24.65	—	—	—	—	—	—	—

NOTES:

ppb = parts per billion
ppm = parts per million
TPH-G = total petroleum hydrocarbons as gasoline
TPH-D = total petroleum hydrocarbons as diesel
* = unidentified hydrocarbons <C15
ND = not detected at or above method detection limit
TRPO = total recoverable petroleum oil
— = not analyzed/not provided

TABLE 1 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING
FORMER MOBIL OIL STATION 04-FGN
14994 EAST 14TH STREET, SAN LEANDRO, CALIFORNIA

ALISTO PROJECT NO. 10-190

WELL ID	DATE OF SAMPLING/ MONITORIN	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	TOG (ug/l)	LAB
MW-1A (c)	03/31/88	36.35	—	—	29000	ND<10000	ND<5.0	ND<5.0	550	640	ND<20000	CTL
MW-1A	01/31/89	36.35	—	—	11200	—	260	ND<20	500	500	—	CTL
MW-1A	02/24/94	36.35	9.42	26.93	11000	2500	70	ND<0.5	260	180	ND<5000	SAL
MW-1A	08/23/94	36.35	12.00	24.35	13000	7100	61	50	280	230	ND<5000	SAL
MW-1A	11/23/94	36.35	11.18	25.17	12000	2500	49	ND<0.5	300	190	10000	SAL
MW-1A	02/28/95	36.35	9.08	27.27	10000	3200	25	ND<0.50	110	67	8400	SAL
MW-1A	05/10/95	36.35	8.33	28.02	10000	3600	31	ND<0.50	140	81	7200	SAL
MW-1A	08/02/95	36.63 (d)	9.49	27.14	10000	3600	24	18	130	80	—	SAL
MW-2A	02/24/94	36.61	9.52	27.09	6400	4500	31	ND<0.5	58	42	ND<5000	SAL
MW-2A	08/23/94	36.61	12.05	24.56	7500	7100	42	21	71	53	ND<5000	SAL
MW-2A	11/23/94	36.61	11.25	25.36	7000	1600	33	11	39	ND<0.5	7300	SAL
MW-2A	02/28/95	36.61	9.10	27.51	9000	1600	29	38	96	45	6900	SAL
MW-2A	05/10/95	36.61	8.42	28.19	5100	1600	20	27	32	35	3400	SAL
MW-2A	08/02/95	36.62 (d)	9.54	27.08	4300	1600	36	ND<0.50	11	16	—	SAL
MW-3A	02/24/94	36.92	9.85	27.07	19000	10000	52	30	690	290	ND<5000	SAL
MW-3A	08/23/94	36.92	12.33	24.59	14000	11000	44	24	1000	100	ND<5000	SAL
MW-3A	11/23/94	36.92	11.56	25.36	13000	2600	30	18	690	52	8500	SAL
MW-3A	02/28/95	36.92	9.35	27.57	8500	—	11	ND<0.50	340	24	5500	SAL
MW-3A	05/10/95	36.92	8.55	28.37	7600	3600	ND<0.50	ND<0.50	400	45	3900	SAL
MW-3A	08/02/95	36.93 (d)	9.75	27.18	9200	3600	17	13	340	34	—	SAL
MW-4A	08/02/95	37.18	9.63	27.55	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	—	SAL
MW-5A	08/02/95	35.91	8.74	27.17	1300	220	16	0.68	1.3	4.3	—	SAL
MW-6A	08/02/95	37.10	9.68	27.42	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	—	SAL
MW-7A	08/02/95	37.39	10.40	26.99	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	—	SAL
MW-1A dup (e)	02/24/94	36.35	—	—	11000	—	88	ND<0.5	230	190	—	SAL
MW-1A dup (e)	08/23/94	—	—	—	13000	—	58	38	310	230	—	SAL
MW-1A dup (e)	11/23/94	—	—	—	13000	—	29	15	710	58	—	SAL
MW-1A dup (e)	02/28/95	—	—	—	9500	—	33	ND<0.50	490	58	—	SAL
MW-1A dup (e)	05/10/95	—	—	—	10000	—	32	ND<0.50	130	75	—	SAL
MW-1A dup (e)	08/02/95	—	—	—	11000	—	21	20	120	61	—	SAL
QC-2 (f)	02/24/94	—	—	—	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	SAL
QC-2 (f)	08/23/94	—	—	—	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	SAL
QC-2 (f)	11/23/94	—	—	—	ND<50	—	ND<0.5	ND<0.5	ND<0.5	ND<0.5	—	SAL
QC-2 (f)	02/28/95	—	—	—	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<0.50	—	SAL
QC-2 (f)	05/10/95	—	—	—	ND<50	—	ND<0.50	ND<0.50	ND<0.50	ND<0.50	—	SAL
QC-2 (f)	08/02/95	—	—	—	ND<50	—	ND<0.50	0.78	ND<0.50	0.67	—	SAL

ABBREVIATIONS:

TPH-G	Total petroleum hydrocarbons as gasoline
TPH-D	Total petroleum hydrocarbons as diesel
B	Benzene
T	Toluene
E	Ethylbenzene
X	Total xylenes
TOG	Total oil and grease
ug/l	Micrograms per liter
—	Not measured/analyzed/applicable
ND	Not detected above reported detection limit
CTL	Curtis Thompkins Laboratories
SAL	Sequoia Analytical Laboratory

NOTES:

(a) Top of casing elevations surveyed in reference to Unocal datum, MW-7A, elevation at 36 southeast corner at the intersection of East 14th Street and 150th Avenue.

(b) Groundwater elevations in feet above mean sea level.

(c) A search of 70000 compounds within the Wiley/NBS spectral data library also detected t propylbenzene at 240 ug/l, ethylcyclobutane at 98 ug/l, 2-methylpentane at 94 ug/l, 2-methylbutune at 86 ug/l, 2,3-dimethylpentane at 73 ug/l, 2-methylhexane at 58 ug/l, 3-methylhexane at 57 ug/l, and 2,5,8-trimethyloctane at 57 ug/l.

(d) Re-surveyed by PLS Surveys, Inc. on August 28, 1995.

(e) Blind duplicate; QC-1.

(f) Travel blank.

TABLE 2 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING
UNOCAL CORPORATION SERVICE STATION
15008 EAST 14TH STREET, SAN LEANDRO, CALIFORNIA

ALISTO PROJECT NO. 10-190

WELL ID	DATE OF MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	LAB
MW-1	08/23/93	—	—	—	24000	160	110	840	810	—
MW-1	11/23/93	—	—	—	18000	210	63	900	620	—
MW-1	02/24/94	36.37	9.45	26.92	18000	74	30	940	480	—
MW-1	08/23/94	36.37	11.98	24.39	24000	130	57	970	320	SAL
MW-1	11/23/94	36.37	11.17	25.20	—	—	—	—	—	—
MW-1	02/03/95	36.37	8.01	28.36	—	—	—	—	—	—
MW-1	05/10/95	36.37	8.51	27.86	—	—	—	—	—	—
MW-1	08/02/95	36.37	10.00	26.37	—	—	—	—	—	—
MW-2	08/23/93	—	—	—	15000	110	ND	590	64	—
MW-2	11/23/93	—	—	—	11000	80	10	480	20	—
MW-2	02/24/94	36.34	9.27	27.07	11000	44	ND	580	32	—
MW-2	08/23/94	36.34	11.82	24.52	12000	45	10	360	20	SAL
MW-2	11/23/94	36.34	10.97	25.37	—	—	—	—	—	—
MW-2	02/03/95	36.34	7.87	28.47	—	—	—	—	—	—
MW-2	05/10/95	36.34	8.38	27.96	—	—	—	—	—	—
MW-2	08/02/95	36.34	9.36	26.98	—	—	—	—	—	—
MW-3	08/23/93	—	—	—	2900	25	ND	50	18	—
MW-3	11/23/93	—	—	—	2300	34	ND	24	5.6	—
MW-3	02/24/94	36.42	9.21	27.21	3400	46	ND	53	11	—
MW-3	08/23/94	36.42	11.88	24.54	2900	37	49	14	2.9	SAL
MW-3	11/23/94	36.42	10.98	25.44	—	—	—	—	—	—
MW-3	02/03/95	36.42	7.89	28.53	—	—	—	—	—	—
MW-3	05/10/95	36.42	8.38	28.04	—	—	—	—	—	—
MW-3	08/02/95	36.42	9.49	26.93	—	—	—	—	—	—
MW-4	08/23/93	—	—	—	1200	5	ND	16	ND	—
MW-4	11/23/93	—	—	—	720	10	ND	8.7	ND	—
MW-4	02/24/94	37.04	9.89	27.15	1300	8.9	ND	20	ND	—
MW-4	08/23/94	37.04	12.57	24.47	690	9.2	1.3	7.1	1.9	SAL
MW-4	11/23/94	37.04	11.65	25.39	—	—	—	—	—	—
MW-4	02/03/95	37.04	8.52	28.52	—	—	—	—	—	—
MW-4	05/10/95	37.04	9.97	27.07	—	—	—	—	—	—
MW-4	08/02/95	37.04	10.18	26.86	—	—	—	—	—	—
MW-5	08/23/93	—	—	—	61000	340	380	3600	14000	—
MW-5	11/23/93	—	—	—	46000	290	310	4100	15000	—
MW-5	02/24/94	35.94	9.02	26.92	57000	140	400	4400	16000	—
MW-5	08/23/94	35.94	11.57	24.37	61000	360	380	4800	17000	SAL
MW-5	11/23/94	35.94	10.71	25.23	—	—	—	—	—	—
MW-5	02/03/95	35.94	7.69	28.25	—	—	—	—	—	—
MW-5	05/10/95	35.94	8.20	27.74	—	—	—	—	—	—
MW-5	08/02/95	35.94	9.23	26.71	—	—	—	—	—	—

TABLE 2 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING
UNOCAL CORPORATION SERVICE STATION
15008 EAST 14TH STREET, SAN LEANDRO, CALIFORNIA

ALISTO PROJECT NO. 10-190

WELL ID	DATE OF MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	LAB
MW-6	08/23/93	—	—	—	1000	9.4	2.3	5	2.3	—
MW-6	11/23/93	—	—	—	520	ND	1.7	1.9	0.82	—
MW-6	02/24/94	35.67	8.39	27.28	810	12	ND	2.6	0.77	—
MW-6	08/23/94	35.67	10.97	24.70	570	6.8	2.5	3.2	2.6	SAL
MW-6	11/23/94	35.67	10.21	25.46	—	—	—	—	—	—
MW-6	02/03/95	35.67	6.99	28.68	—	—	—	—	—	—
MW-6	05/10/95	35.67	7.53	28.14	—	—	—	—	—	—
MW-6	08/02/95	35.67	8.68	26.99	—	—	—	—	—	—
MW-7	08/23/93	—	—	—	33000	360	ND	2500	4300	—
MW-7	11/23/93	—	—	—	19000	310	30	2500	2300	—
MW-7	02/24/94	36.09	8.95	27.14	16000	220	19	2400	3200	—
MW-7	08/23/94	36.09	11.43	24.66	19000	210	50	2000	2800	SAL
MW-7	11/23/94	36.09	10.69	25.40	—	—	—	—	—	—
MW-7	02/03/95	36.09	7.49	28.60	—	—	—	—	—	—
MW-7	05/10/95	36.09	7.88	28.21	—	—	—	—	—	—
MW-7	08/02/95	36.09	9.02	27.07	—	—	—	—	—	—
MW-8	08/23/93	—	—	—	280	49	4.5	ND	ND	—
MW-8	11/23/93	—	—	—	1800	ND	3.4	ND	ND	—
MW-8	02/24/94	36.89	10.44	26.45	1200	10	2.3	ND	3.2	—
MW-8	08/23/94	36.89	12.61	24.28	3200	45	18	2	7.2	SAL
MW-8	11/23/94	36.89	11.98	24.91	—	—	—	—	—	—
MW-8	02/03/95	36.89	9.16	27.73	—	—	—	—	—	—
MW-8	05/10/95	36.89	9.35	27.54	—	—	—	—	—	—
MW-8	08/02/95	36.89	10.40	26.49	—	—	—	—	—	—
MW-9	08/23/93	—	—	—	3000	29	ND	ND	ND	—
MW-9	11/23/93	—	—	—	2500	23	2.1	ND	ND	—
MW-9	02/24/94	36.29	9.74	26.55	2900	35	ND	ND	ND	—
MW-9	08/23/94	36.29	11.99	24.30	2800	28	32	ND	ND	SAL
MW-9	11/23/94	36.29	11.31	24.98	—	—	—	—	—	—
MW-9	02/03/95	36.29	8.45	27.84	—	—	—	—	—	—
MW-9	05/10/95	36.29	—	—	—	—	—	—	—	—
MW-9	08/02/95	36.29	7.95	26.54	—	—	—	—	—	—

TABLE 2 - SUMMARY OF RESULTS OF GROUNDWATER SAMPLING
UNOCAL CORPORATION SERVICE STATION
15008 EAST 14TH STREET, SAN LEANDRO, CALIFORNIA

ALISTO PROJECT NO. 10-190

WELL ID	DATE OF MONITORING	CASING ELEVATION (a) (Feet)	DEPTH TO WATER (Feet)	GROUNDWATER ELEVATION (b) (Feet)	TPH-G (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	LAB
MW-10	08/23/93	—	—	—	20000	230	13	3200	140	—
MW-10	11/23/93	—	—	—	18000	300	10	2800	110	—
MW-10	02/24/94	36.04	9.57	26.47	15000	330	19	2000	83	—
MW-10	08/23/94	36.04	11.81	24.23	16000	250	41	1800	74	SAL
MW-10	11/23/94	36.04	11.10	24.94	—	—	—	—	—	—
MW-10	02/03/95	36.04	8.32	27.72	—	—	—	—	—	—
MW-10	05/10/95	36.04	—	—	—	—	—	—	—	—
MW-10	08/02/95	36.04	9.55	26.49	—	—	—	—	—	—
MW-11	08/23/93	—	—	—	5400	68	ND	230	43	—
MW-11	11/23/93	—	—	—	3400	105	ND	120	43	—
MW-11	02/24/94	35.50	9.20	26.30	4600	170	ND	140	36	—
MW-11	08/23/94	35.50	11.39	24.11	7300	250	13	150	42	SAL
MW-11	11/23/94	35.50	10.67	24.83	—	—	—	—	—	—
MW-11	02/03/95	35.50	8.02	27.48	—	—	—	—	—	—
MW-11	05/10/95	35.50	—	—	—	—	—	—	—	—
MW-11	08/02/95	35.50	9.31	26.19	—	—	—	—	—	—

ABBREVIATIONS:

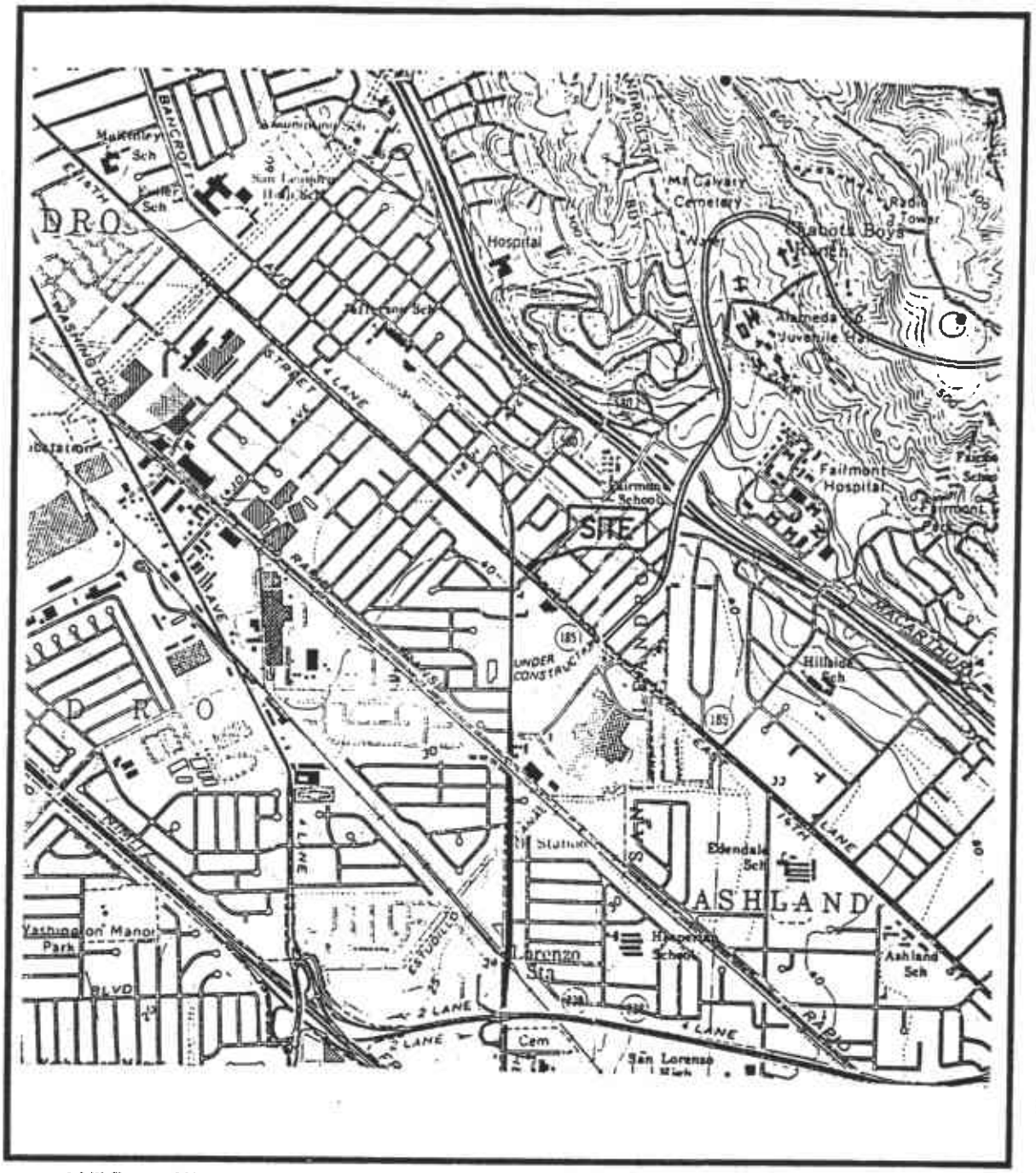
TPH-G	Total petroleum hydrocarbons as gasoline
B	Benzene
T	Toluene
E	Ethylbenzene
X	Total xylenes
ug/l	Micrograms per liter
—	Not analyzed/measured
ND	Not detected above reported detection limit
SAL	Sequoia Analytical Laboratory

NOTES:

(a) Top of casing elevations surveyed to the nearest 0.01 foot above mean sea level, relative to benchmark (elevation = 36.88) at the northwest corner of East 14th Street and 150th Avenue.

(b) Groundwater elevations in feet above mean sea level.

E:\10-190\190-3-98.WQ2



SCALE 1:24,000

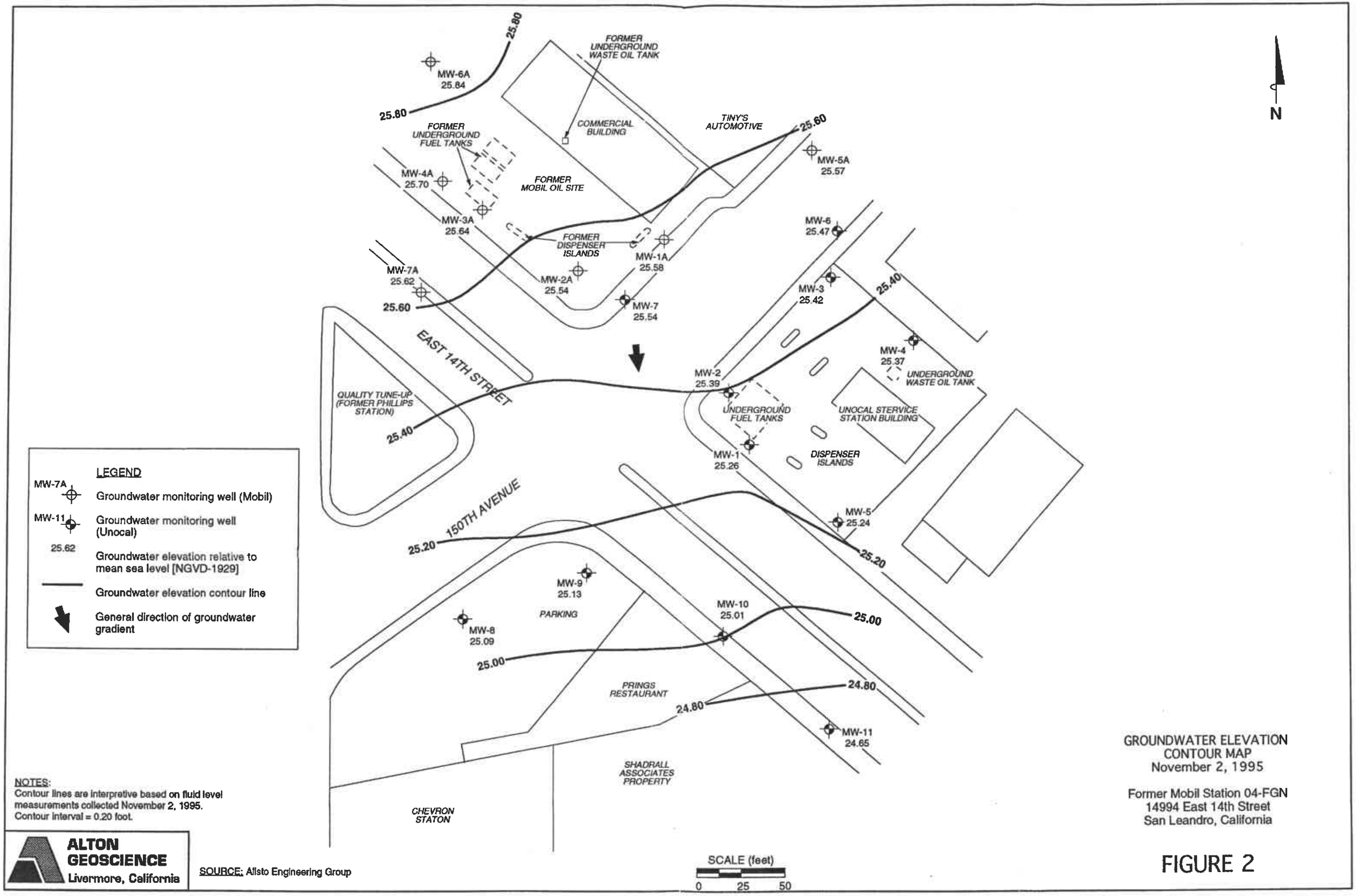
Source: U.S.G.S. Map
Hayward & San Leandro
Quadrangles
California
7.5 Minute Series

VICINITY MAP

Former Mobil Station 04-FGN
14994 East 14th Street
San Leandro, California

ALTON GEOSCIENCE
Livermore, California

FIGURE 1



NOTES:
Contour lines are interpretive based on fluid level measurements collected November 2, 1995.
Contour interval = 0.20 foot.

ALTON GEOSCIENCE
Livermore, California

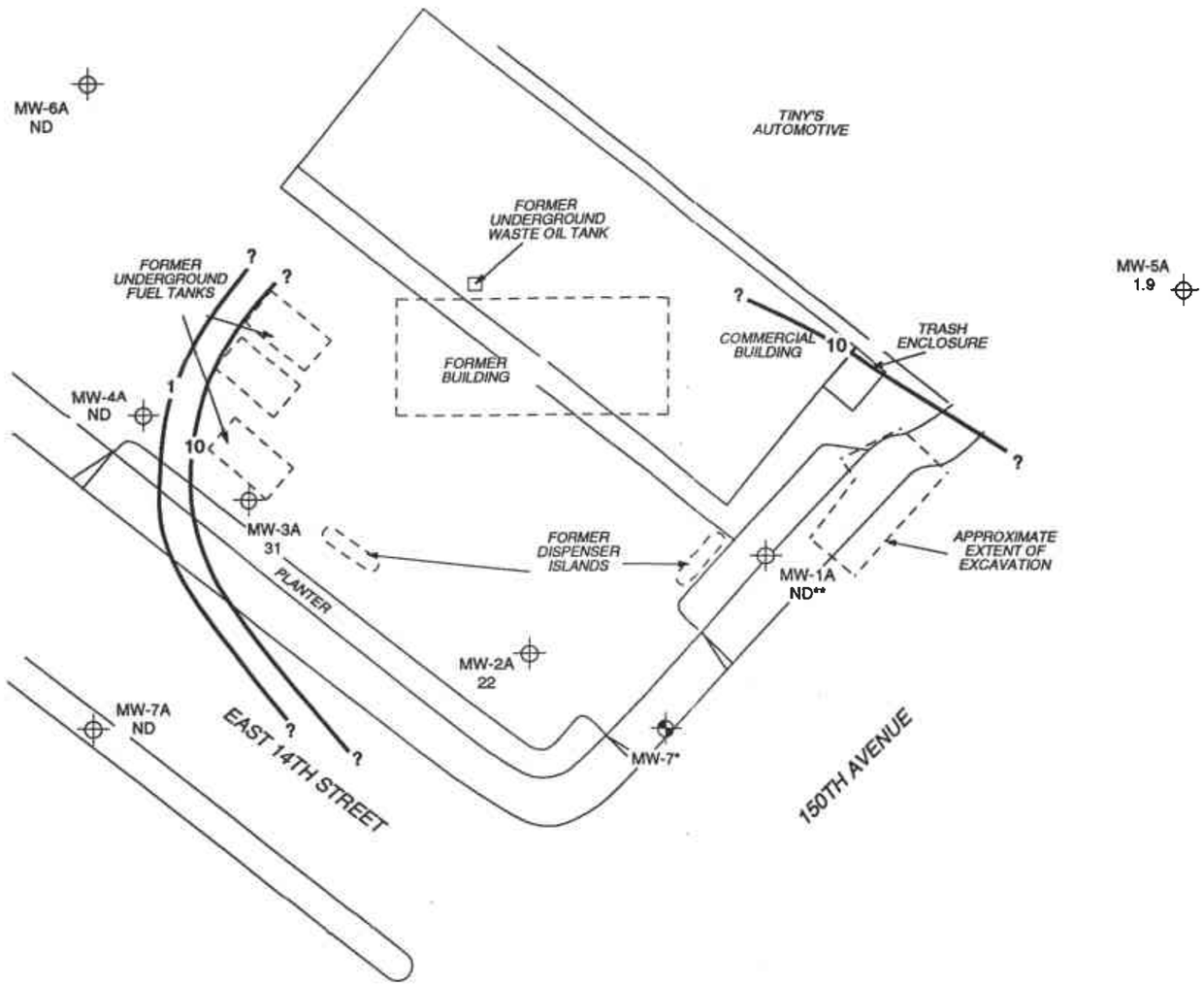
SOURCE: Allsto Engineering Group

GROUNDWATER ELEVATION
CONTOUR MAP
November 2, 1995

Former Mobil Station 04-FGN
14994 East 14th Street
San Leandro, California

FIGURE 2

04-FGN/Area Site



LEGEND

MW-7A ND — Groundwater monitoring well (Mobil) showing dissolved-phase benzene concentration in ppb

Mw-7 — Groundwater monitoring well (Unocal)

Dissolved-phase benzene isoconcentration line

NOTES:
Results are based on analysis of groundwater samples collected November 2, 1995. ND = not detected at or above method detection limit; ppb = parts per billion. * = data not provided; ** = detection limit 25 ppb for benzene.

ALTON GEOSCIENCE
Livermore, California

SOURCE: Alisto Engineering Group

SCALE (feet)
0 15 30

DISSOLVED-PHASE
BENZENE CONCENTRATIONS
November 2, 1995

Former Mobil Station 04-FGN
14994 East 14th Street
San Leandro, California

FIGURE 3

04-FGN/Site plan 11x17 01/19/96

EXHIBIT 4

WELL PURGING AND GROUNDWATER SAMPLING PROTOCOL

WELL PURGING AND GROUNDWATER SAMPLING PROTOCOL

FLUID-LEVEL MONITORING

Fluid-levels are monitored in the wells using an electronic interface probe with conductance sensors. The presence of liquid-phase hydrocarbons is verified using a hydrocarbon-reactive paste. The depth to liquid-phase hydrocarbons and water is measured relative to the well box top or top of casing. Well box or casing elevations are surveyed to within 0.02 foot relative to a county or city bench mark.

GROUNDWATER SAMPLING

Groundwater monitoring wells are purged and sampled in accordance with standard regulatory protocol. Typically, monitoring wells that contain no liquid-phase hydrocarbons are purged of groundwater prior to sampling so that fluids sampled are representative of fluids within the formation. Temperature, pH, and specific conductance are typically measured after each well casing volume has been removed. Purging is considered complete when these parameters vary less than 10% from the previous readings, or when four casing volumes of fluid have been removed. Samples are collected without further purging if the well does not recharge within 2 hours to 80% of its volume before purging.

The purged water is either pumped directly into a licensed vacuum truck or temporarily stored in labeled drums prior to transport to an appropriate treatment or recycling facility. If an automatic recovery system (ARS) is operating at the site, purged water may be pumped into the ARS for treatment.

Groundwater samples are collected by lowering a 1.5-inch-diameter, bottom-fill, disposable polyethylene bailer just below the static water level in the well. The samples are carefully transferred from the check-valve-equipped bailer to 1-liter and 40-milliliter glass containers. The sample containers are filled to zero headspace and fitted with Teflon-sealed caps. Each sample is labeled with the project number, well number, sample date, and sampler's initials. Samples remain chilled at approximately 4°C prior to analysis by a state-certified laboratory.

EXHIBIT 5

MONITORING WELL SAMPLING FORMS

GROUND WATER SAMPLING FIELD NOTES

Site: 04-FGN Project No.: 41-02525 Sampled By: MFH Date: 11/2/95

Well No. MW-6A

Total Depth (feet) 24.0
Depth to Water (feet): 11.26
Water Column (feet): 12.74
80% Recharge Depth (feet): 13.8
Purge Method: Sub
Depth to Product (feet): 0
Product Recovered (gallons): 0
Casing Diameter (inches): 4
1 Well Volume (gallons): 8.40 x 3 = 25.2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
9:39		11.26	0-8	1.35	65.7	6.95
			16	1.36	67.0	7.02
			24	1.33	68.1	7.11
	9:45	11.39	25			
				X10-3		
	Total Purged		25	Time Sampled		9:55

Comments: —
Turbidity = Cloudy

Well No. MW-4A

Total Depth (feet) 23.55
Depth to Water (feet): 11.48
Water Column (feet): 12.02
80% Recharge Depth (feet): 13.85
Purge Method: Sub
Depth to Product (feet):
Product Recovered (gallons):
Casing Diameter (inches):
1 Well Volume (gallons): 7

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
10:06		11.48	0-8	1.22	67.9	7.65
			16	1.26	69.8	7.43
			23	1.29	70.6	7.35
	10:12	12.46	24			
	Total Purged		24	Time Sampled		10:2

Comments: —
Turbidity = Very Turb.

Well No. MW-7A

Total Depth (feet) 24.55
Depth to Water (feet): 11.77
Water Column (feet): 12.73
80% Recharge Depth (feet): 14.31
Purge Method: Sub
Depth to Product (feet): 0
Product Recovered (gallons): 0
Casing Diameter (inches): 4
1 Well Volume (gallons): 8.40 x 3 = 25.20

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
10 40		11.77	0-8	1.38	70.3	7.77
			16	1.38	69.8	7.41
			24	1.39	68.7	7.38
	10:48	13.21	25			
	Total Purged		25	Time Sampled		11:0

Comments: —
Turbidity = Cloudy

Well No. MW-5A

Total Depth (feet) 23.0
Depth to Water (feet): 10.34
Water Column (feet): 12.66
80% Recharge Depth (feet): 12.87
Purge Method: Sub
Depth to Product (feet): 0
Product Recovered (gallons): 6
Casing Diameter (inches): 4
1 Well Volume (gallons): 8.33 x 3 = 25.

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
11:19		10.34	0-8	1.69	67.8	7.60
			16	1.56	69.1	7.40
			24	1.51	69.3	7.38
	11:26	11.34	25			
	Total Purged		25	Time Sampled		11:3

Comments: —
Turbidity = Cloudy

Well No. MW-2A

Total Depth (feet) 24.54
Depth to Water (feet): 11.08
Water Column (feet): 13.42
80% Recharge Depth (feet): 13.76
Purge Method: Sub
Depth to Product (feet): 0
Product Recovered (gallons): 0
Casing Diameter (inches): 2
1 Well Volume (gallons): 2.28 x 3 = 6.84

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
11:45		11.08	0-2	1.30	70.5	7.16
			4	1.27	70.2	7.41
			6	1.25	69.8	7.38
	11:48	12.12	7			
	Total Purged		7	Time Sampled		12:0

Comments: —
Turbidity = Very Turb.

Well No. MW-3A

Total Depth (feet) 22.45
Depth to Water (feet): 11.29
Water Column (feet): 11.16
80% Recharge Depth (feet): 13.32
Purge Method: Sub
Depth to Product (feet): 0
Product Recovered (gallons): 0
Casing Diameter (inches): 2
1 Well Volume (gallons): 1.85 x 3 = 5.69

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
12:13		11.29	0-2	1.46	70.2	7.47
			4	1.39	70.5	7.41
			6	1.37	70.3	7.39
	12.15	13.02	6.5			
	Total Purged		6.5	Time Sampled		12:2

Comments: —
Turbidity = —

GROUND WATER SAMPLING FIELD NOTES

Site: 04-FGN Project No.: 41-0265-25 Sampled By: MFA2 Date: 11/2/95

Well No. MW-1A

Total Depth (feet) 18.60
Depth to Water (feet): 11.05
Water Column (feet): 7.55
80% Recharge Depth (feet): 12.56

Purge Method: Sub
Depth to Product (feet): 0
Product Recovered (gallons): 0
Casing Diameter (inches): 2
1 Well Volume (gallons): 1.25 x 3
3.85

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
12.48		11.05	0-1.5	.98	68.1	7.85
			3	.97	69.3	7.31
			4	.95	66.4	7.27
			5			
	Total Purged		5	Time Sampled		100

Comments: —
Turbidity = —

Well No. ______

Total Depth (feet) ______
Depth to Water (feet): ______
Water Column (feet): ______
80% Recharge Depth (feet): ______

Purge Method: ______
Depth to Product (feet): ______
Product Recovered (gallons): ______
Casing Diameter (inches): ______
1 Well Volume (gallons): ______

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
	Total Purged			Time Sampled		

Comments:
Turbidity =

Well No. ______

Total Depth (feet) ______
Depth to Water (feet): ______
Water Column (feet): ______
80% Recharge Depth (feet): ______

Purge Method: ______
Depth to Product (feet): ______
Product Recovered (gallons): ______
Casing Diameter (inches): ______
1 Well Volume (gallons): ______

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
	Total Purged			Time Sampled		

Comments:
Turbidity =

Well No. ______

Total Depth (feet) ______
Depth to Water (feet): ______
Water Column (feet): ______
80% Recharge Depth (feet): ______

Purge Method: ______
Depth to Product (feet): ______
Product Recovered (gallons): ______
Casing Diameter (inches): ______
1 Well Volume (gallons): ______

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
	Total Purged			Time Sampled		

Comments:
Turbidity =

Well No. ______

Total Depth (feet) ______
Depth to Water (feet): ______
Water Column (feet): ______
80% Recharge Depth (feet): ______

Purge Method: ______
Depth to Product (feet): ______
Product Recovered (gallons): ______
Casing Diameter (inches): ______
1 Well Volume (gallons): ______

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
	Total Purged			Time Sampled		

Comments:
Turbidity =

Well No. ______

Total Depth (feet) ______
Depth to Water (feet): ______
Water Column (feet): ______
80% Recharge Depth (feet): ______

Purge Method: ______
Depth to Product (feet): ______
Product Recovered (gallons): ______
Casing Diameter (inches): ______
1 Well Volume (gallons): ______

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH
	Total Purged			Time Sampled		

Comments:
Turbidity =

EXHIBIT 6

ANALYTICAL LABORATORY DATA SHEETS

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: D. Milano

Client Project ID: Mobil #04-FGN
Sample Matrix: Water
Analysis Method: EPA 5030/8015 Mod./8020
First Sample #: 511-0368

Sampled: Nov 2, 1995
Received: Nov 3, 1995
Reported: Nov 15, 1995

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 511-0368 MW-6A	Sample I.D. 511-0369 MW-4A	Sample I.D. 511-0370 MW-7A	Sample I.D. 511-0371 MW-5A	Sample I.D. 511-0372 MW-2A	Sample I.D. 511-0373 MW-3A
QC Batch Number:		GC111395 802009A	GC111395 802009A	GC111395 802009A	GC111395 802009A	GC111395 802002A	GC111395 802009A
Purgeable Hydrocarbons	50	N.D.	N.D.	N.D.	180	4,300	9,200
Benzene	0.50	N.D.	N.D.	N.D.	1.9	22	31
Toluene	0.50	N.D.	N.D.	N.D.	1.2	N.D.	N.D.
Ethyl Benzene	0.50	N.D.	N.D.	N.D.	N.D.	10	360
Total Xylenes	0.50	N.D.	N.D.	N.D.	N.D.	11	72
Chromatogram Pattern:		--	--	--	Gasoline	Gasoline & Unidentified Hydrocarbons >C9	Gasoline

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0	1.0	10	50
Date Analyzed:	11/13/95	11/13/95	11/13/95	11/13/95	11/13/95	11/13/95
Instrument Identification:	HP-9	HP-9	HP-9	HP-9	HP-2	HP-9
Surrogate Recovery, %: (QC Limits = 70-130%)	94	96	89	87	132	70

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

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Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: D. Milano

Client Project ID: Mobil #04-FGN
Sample Matrix: Water
Analysis Method: EPA 5030/8015 Mod./8020
First Sample #: 511-0374

Sampled: Nov 2, 1995
Received: Nov 3, 1995
Reported: Nov 15, 1995

QC Batch Number: GC111395
802009A

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 511-0374 MW-1A
Purgeable Hydrocarbons	50	12,000
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	190
Total Xylenes	0.50	150
Chromatogram Pattern:		Gasoline

Quality Control Data

Report Limit Multiplication Factor:	50
Date Analyzed:	11/13/95
Instrument Identification:	HP-9
Surrogate Recovery, %: (QC Limits = 70-130%)	81

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

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Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: D. Milano

Client Project ID: Mobil #04-FGN
Sample Matrix: Water
Analysis Method: EPA 3510/8015 Mod.
First Sample #: 511-0368

Sampled: Nov 2, 1995
Received: Nov 3, 1995
Reported: Nov 15, 1995

QC Batch Number:	SP110895	SP110895	SP110895	SP110895	SP110895	SP110895
	8015EXA	8015EXA	8015EXA	8015EXA	8015EXA	8015EXA

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit µg/L	Sample I.D. 511-0368 MW-6A	Sample I.D. 511-0369 MW-4A	Sample I.D. 511-0370 MW-7A	Sample I.D. 511-0371 MW-5A	Sample I.D. 511-0372 MW-2A	Sample I.D. 511-0373 MW-3A
Extractable Hydrocarbons	50	N.D.	N.D.	N.D.	N.D.	3,000	4,400
Chromatogram Pattern:		--	--	--	--	Unidentified Hydrocarbons <C15	Unidentified Hydrocarbons <C15

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0	1.0	1.0	1.0
Date Extracted:	11/8/95	11/8/95	11/8/95	11/8/95	11/8/95	11/8/95
Date Analyzed:	11/8/95	11/8/95	11/8/95	11/8/95	11/8/95	11/8/95
Instrument Identification:	HP-3B	HP-3B	HP-3B	HP-3B	HP-3B	HP-3B

Extractable Hydrocarbons are quantitated against a fresh diesel standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

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Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Alton Geoscience	Client Project ID:	Mobil #04-FGN	Sampled: Nov 2, 1995
30-A Lindbergh Ave.	Sample Matrix:	Water	Received: Nov 3, 1995
Livermore, CA 94550	Analysis Method:	EPA 3510/8015 Mod.	Reported: Nov 15, 1995
Attention: D. Milano	First Sample #:	511-0374	

QC Batch Number: SP110895

8015EXA

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit µg/L	Sample I.D. 511-0374 MW-1A
Extractable Hydrocarbons	50	3400
Chromatogram Pattern:		Unidentified Hydrocarbons <C15

Quality Control Data

Report Limit Multiplication Factor:	1.0
Date Extracted:	11/8/95
Date Analyzed:	11/8/95
Instrument Identification:	HP-3B

Extractable Hydrocarbons are quantitated against a fresh diesel standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: D. Milano

Client Project ID: Mobil #04-FGN
Matrix Descript: Water
Analysis Method: SM 5520 B&F (Gravimetric)
First Sample #: 511-0368

Sampled: Nov 2, 1995
Received: Nov 3, 1995
Extracted: Nov 8, 1995
Analyzed: Nov 9-10,1995
Reported: Nov 15, 1995

TOTAL RECOVERABLE PETROLEUM OIL

Sample Number	Sample Description	Oil & Grease mg/L (ppm)	Detection Limit Multiplication Factor	Sample Number
511-0368	MW-6A	N.D.	1.0	SP1108955520MDB
511-0369	MW-4A	N.D.	1.0	SP1108955520MDB
511-0370	MW-7A	N.D.	1.0	SP1108955520MDB
511-0371	MW-5A	N.D.	1.0	SP1108955520MDB
511-0372	MW-2A	N.D.	1.0	SP1108955520MDB
511-0373	MW-3A	N.D.	1.0	SP1108955520MDB
511-0374	MW-1A	N.D.	1.0	SP1108955520MDB

Detection Limits:	5.0

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

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Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: D. Milano

Client Project ID: Mobil #04-FGN
Matrix: Liquid

QC Sample Group: 5110368-374

Reported: Nov 15, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Diesel	Oil & Grease
QC Batch#:	GC111395 802009A	GC111395 802009A	GC111395 802009A	GC111395 802009A	SP110895 8015EXA	SP110895 5520MDB
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015	SM 5520
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 3510	SM 5520
Analyst:	M. Creusere	M. Creusere	M. Creusere	M. Creusere	J. Dinsay	D. Newcomb
MS/MSD #:	111395	111395	111395	111395	BLK110895	BLK110895
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	11/13/95	11/13/95	11/13/95	11/13/95	11/8/95	11/8/95
Analyzed Date:	11/13/95	11/13/95	11/13/95	11/13/95	11/8/95	11/9/95
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9	HP-3B	Manual
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	300 µg/L	100 mg/L
Result:	21	21	21	71	170	93
MS % Recovery:	105	105	105	118	57	93
Dup. Result:	19	19	20	65	190	92
MSD % Recov.:	95	95	100	108	64	92
RPD:	10	10	4.9	8.8	12	1.1
RPD Limit:	0-20	0-20	0-20	0-20	0-20	0-20

LCS #:	4LCS111395	4LCS111395	4LCS111395	4LCS111395	LCS110895	LCS110895
Prepared Date:	11/13/95	11/13/95	11/13/95	11/13/95	11/8/95	11/8/95
Analyzed Date:	11/13/95	11/13/95	11/13/95	11/13/95	11/8/95	11/9/95
Instrument I.D.#:	HP-9	HP-9	HP-9	HP-9	HP-3B	Manual
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	300 µg/L	100 mg/L
LCS Result:	20	20	21	69	230	93
LCS % Recov.:	101	102	103	115	78	93

MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120	38-122	60-140

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Alton Geoscience
30-A Lindbergh Ave.
Livermore, CA 94550
Attention: D. Milano

Client Project ID: Mobil #04-FGN
Matrix: Liquid

QC Sample Group: 5110368-374

Reported: Nov 15, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC111395 802002A	GC111395 802002A	GC111395 802002A	GC111395 802002A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	M. Creusere	M. Creusere	M. Creusere	M. Creusere
MS/MSD #:	5110157	5110157	5110157	5110157
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	11/13/95	11/13/95	11/13/95	11/13/95
Analyzed Date:	11/13/95	11/13/95	11/13/95	11/13/95
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
Result:	23	22	23	68
MS % Recovery:	115	110	115	113
Dup. Result:	23	22	23	67
MSD % Recov.:	115	110	115	112
RPD:	0.0	0.0	0.0	1.5
RPD Limit:	0-20	0-20	0-20	0-20
LCS #:	1LCS111395	1LCS111395	1LCS111395	1LCS111395
Prepared Date:	11/13/95	11/13/95	11/13/95	11/13/95
Analyzed Date:	11/13/95	11/13/95	11/13/95	11/13/95
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L
LCS Result:	20	20	21	63
LCS % Recov.:	101	100	105	104
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL, #1271

Kevin Van Slambrook
Project Manager

Please Note:
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SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

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☐ 819 Striker Ave., Suite 8 • Sacramento, CA 95834 • (916) 921-9600 FAX (916) 921-0100
☐ 1900 Bates Ave., Suite LM • Concord, CA 94520 • (510) 686-9600 FAX (510) 686-9689

Mobil Oil Consulting Firm: ALTon Geo Science	Station No./Site Address: 04-FGV / 14994 E 14th Street
Address: 30 A Lindbergh Av	Project Contact: Den. McLane
City: Livermore State: CA Zip: 94550	Mobil Oil Engineer: Cheri Fo-tch
Tel: 510-606-9150 Fax.:	Sampler(s) (signature): Mark Frank

Sample I.D.	Matrix	Date Sampled	Time	Preservation	Number of Containers	Type of Containers	BTEX - EPA 602/8020	BTEX -TPH EPA M602/8015/8020 (GAS)	TPH EPA Modified 8015 Gas ☐ Diesel #	Oil & Grease - EPA 413.2	TPH - EPA 418.1	EPA 601/8010	EPA 624/8240	EPA 625/8270	Title 22 Metals EPA 6010/7000 TTLC ☐ STLC ☐	Lead Org./DHS ☐ Lead Total ☐	EDB/DBCD - EPA 504	pH	Bioassay - Title 22 Haz. Waste	Bioassay - Effluent	Oil & Grease 5520
MW-6A	H2O	11/2	955	HCl	3	VOA		X	X			5110368A-E									X
MW-4A			1020					X	X			5110369A-E									X
MW-7A			1100					X	X			5110370A-E									X
MW-5A			1135					X	X			5110371A-E									X
MW-2A			1200					X	X			5110372A-E									X
MW-3A			1225					X	X			5110373A-E									X
MW-1A			1005					X	X			5110374A-E									X

CODING (check one)

- Code 1 ☐ Emergency Response
- Code 2 ☐ Site Assessment
- Code 3 ☐ Remediation (Plan Devlpmt.)
- Code 4 ☐ Active Remed. (Install./Start-up)
- Code 5 ☐ Active Remed. (O & M)
- Code 6 ☒ Passive Remed/ Monitoring
- Code 7 ☐ Closure
- Code 8 ☐ Construction
- Code 9 ☐ Litigation/Claims Fines

Relinquished by: Mark Frank	Date/Time:	Relinquished by: Raffi Barsetti	Date/Time: 11/3/95 9:40
Relinquished by: Raffi Barsetti	Date/Time: 11/3/95 10:20	Relinquished by:	Date/Time:
Relinquished by:	Date/Time:	Relinquished in Lab by: Charlie	Date/Time: 11/3/95 1020

Remarks:

Turnaround Time: (check one): Normal X, Same day ___, 1 day ___, 2 day ___, 5 day ___

Sample Integrity: Intact ___ On Ice X

TF NUMBER: MS111395

MONITORING WELL PURGE WATER TRANSPORT FORM # 19810

GENERATOR INFORMATION

NAME: Mobil Oil Corporation Attn: Earth
ADDRESS: 3225 Gallow Road, IW210
CITY,STATE,ZIP: Fairfax, VA 22037 PHONE #: (703) 846-3000

DESCRIPTION OF WATER: MONITORING WELL PURGE WATER
THE GENERATOR CERTIFIES THAT THIS WATER AS DESCRIBED IS NON-HAZARDOUS

Tom DeLong for Mobil Tom DeLong 12-8-95 (Date)

SITE INFORMATION

	DATE GENERATED	MOBIL SITE #	AMOUNT GENERATED	SAMPLER'S INITIALS		DATE GENERATED	MOBIL SITE #	AMOUNT GENERATED	SAMPLER'S INITIALS
1	9/29/95	04-482	150	TP	16				
2	11/2/95	04-FGN	180	MF	17				
3	11/3/95	04-HGL	225	TP	18				
4	10/24/95	04-343	350	TP	19				
5	10/25/95	99-MTE	100	MF	20				
6	10/27/95	04-482	325	MF	21				
7	10/30/95	04-HTF	75	MF	22				
8	10/31/95	10-L66	350	MF	23				
9	11/10/95	10-69K	150	TP	24				
10	11/13/95	04-FM8	150	MF	25				
11	11/14/95	04-FRL	250	TP	26				
12					27				
13					28				
14					29				
15					30				

Total: 2,305 gallon

TRANSPORTER INFORMATION

NAME: Integrated Wastestream Management, Inc.
ADDRESS: 950 Ames Avenue
CITY,STATE,ZIP: Milpitas, CA 95035 PHONE #: (408) 942-8955

TRUCK ID #: 102-103

X Barry Adko Barry Adko 12-8-95
(Typed or printed full name & signature) (Date and Time)

RECEIVING FACILITY

PH. 7 Tons 8.05

NAME: Mckittrick Waste Treatment Site
ADDRESS: 56533 Highway 58 West
CITY,STATE,ZIP: Mckittrick, CA 93251 PHONE #: (805) 762-7607

APPROVAL #: 1094-892 PS

X Terri Bryant Terri Bryant 12/08/95
(Typed or printed full name & signature) (Date)